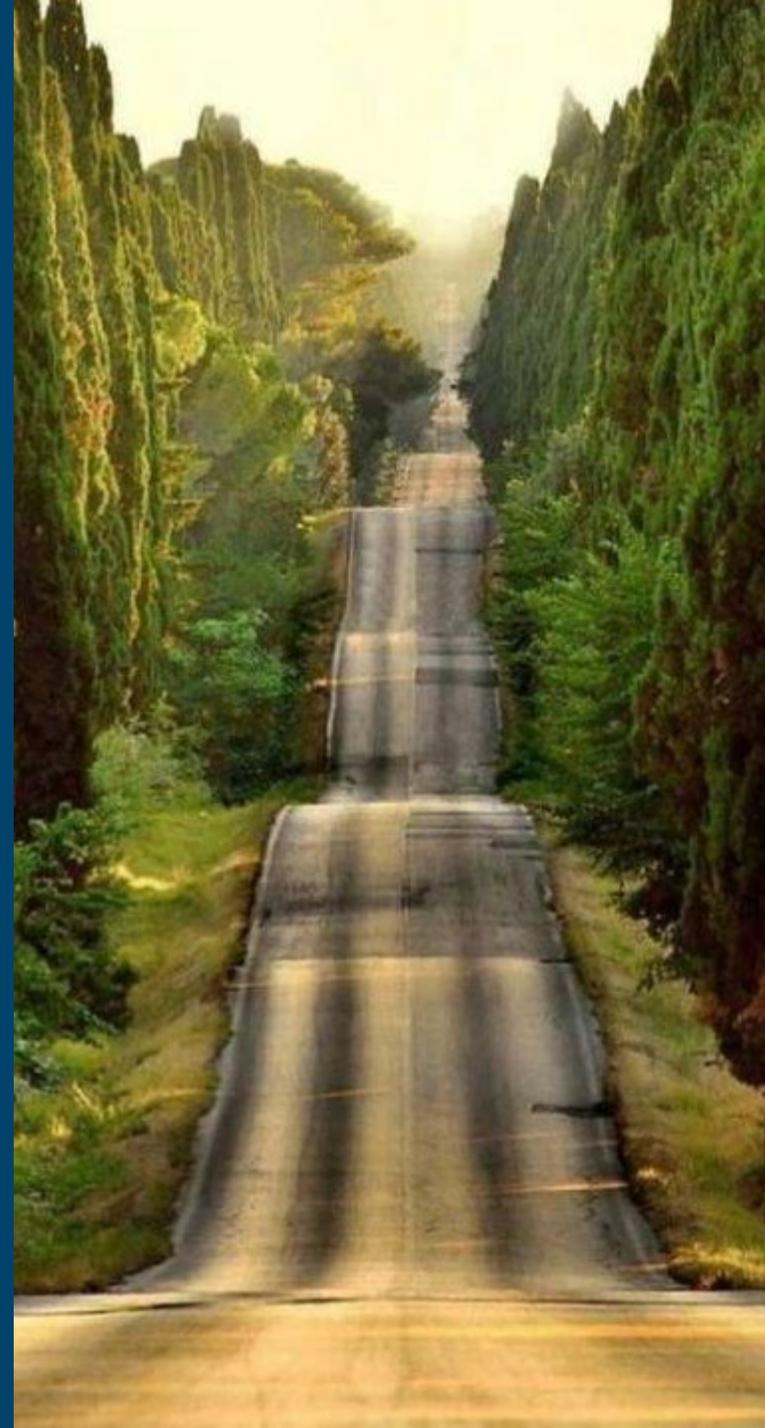


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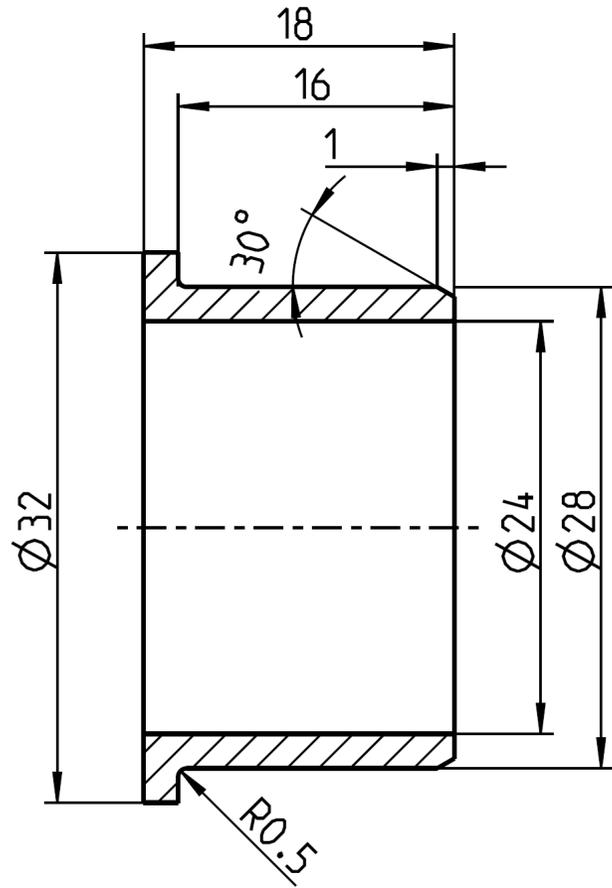
Creo Sketcher Practice

Part 2

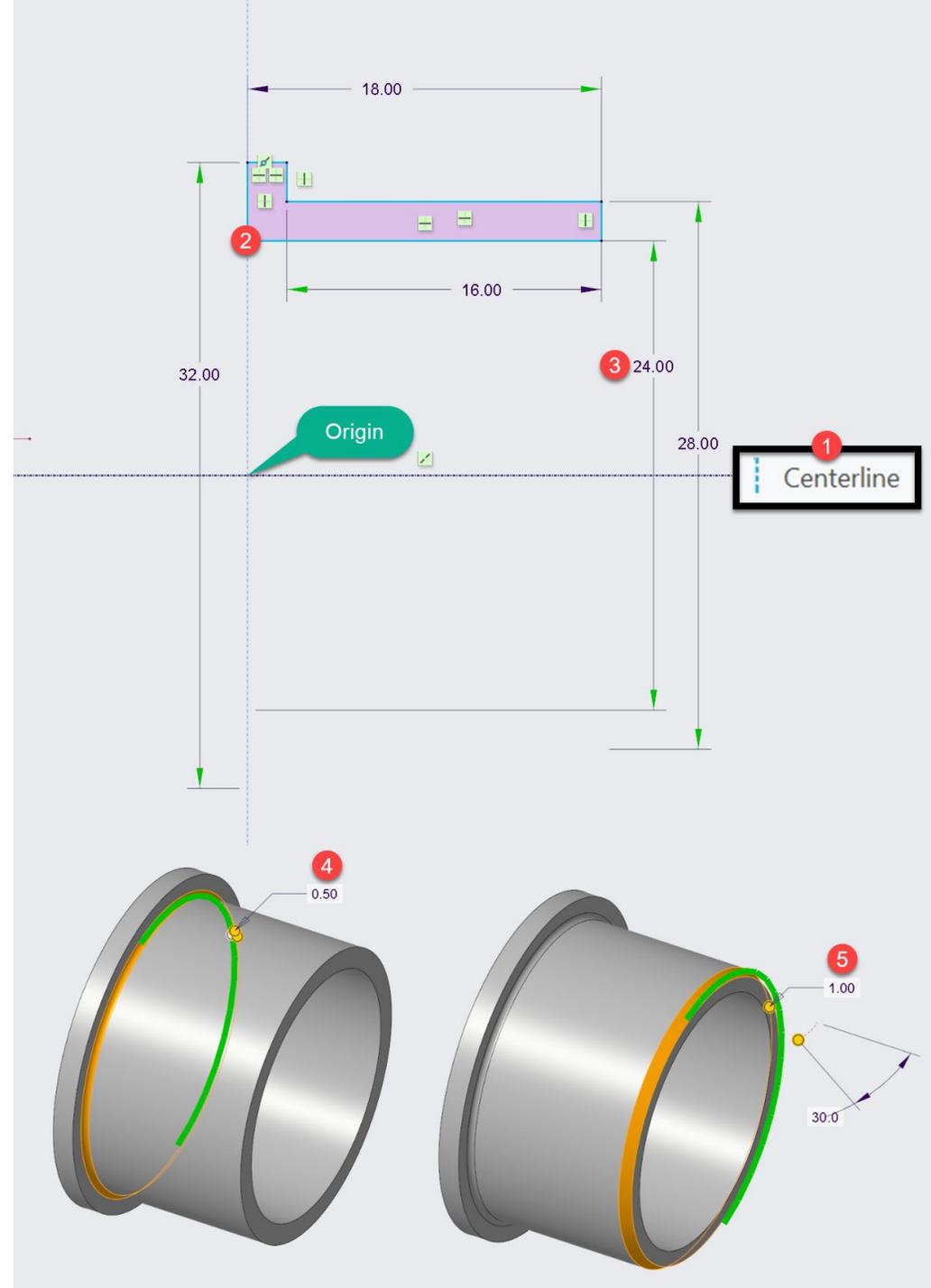
Oliver Stumpf
Armin Steinke



Part-01:
Revolve Feature
simple Round and Chamfer



Workflow in CREO	
1	Horizontal reference
2	Vertical reference
3	Sketch origin and startpoint
4	Automatically generated constraint
5	Automatically generated dimension
6	Manually generated dimension

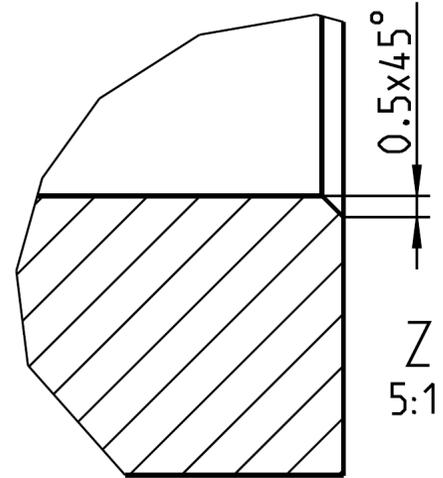
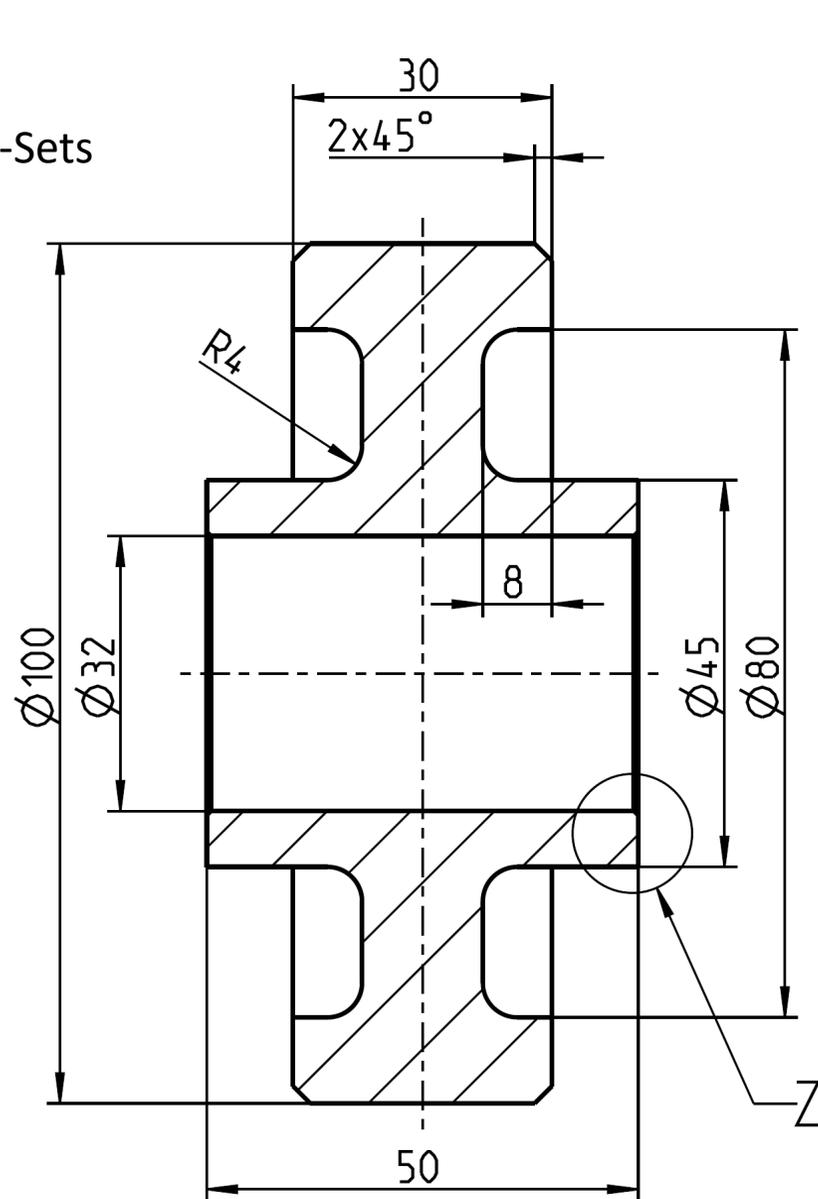


Part-02:

Revolve Feature

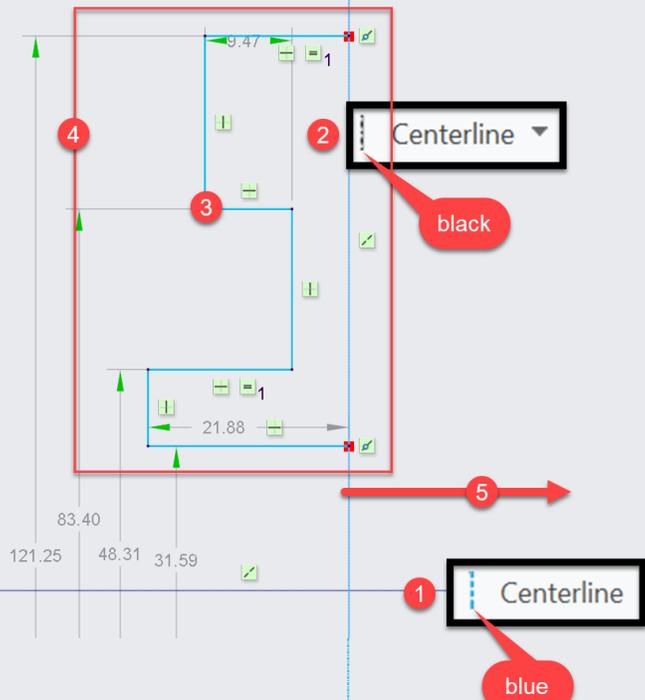
Centerlines

Round- and Chamfer-Sets

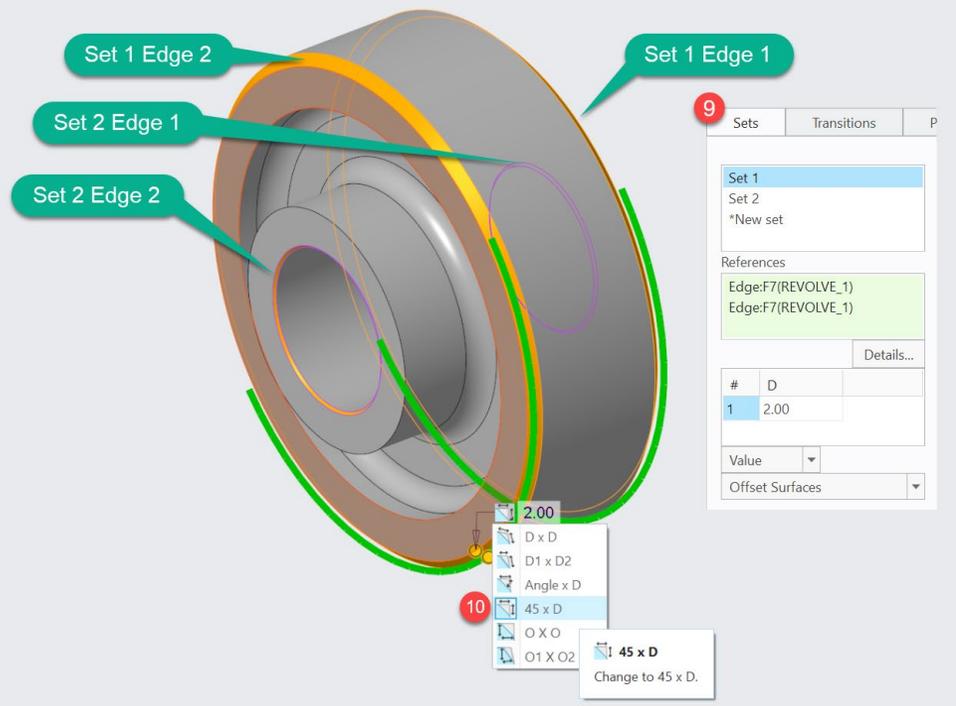
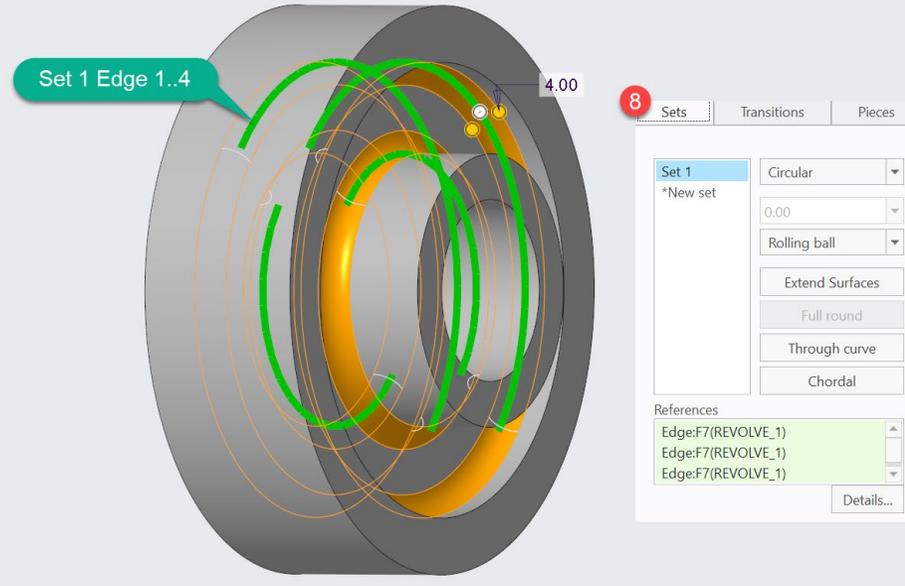
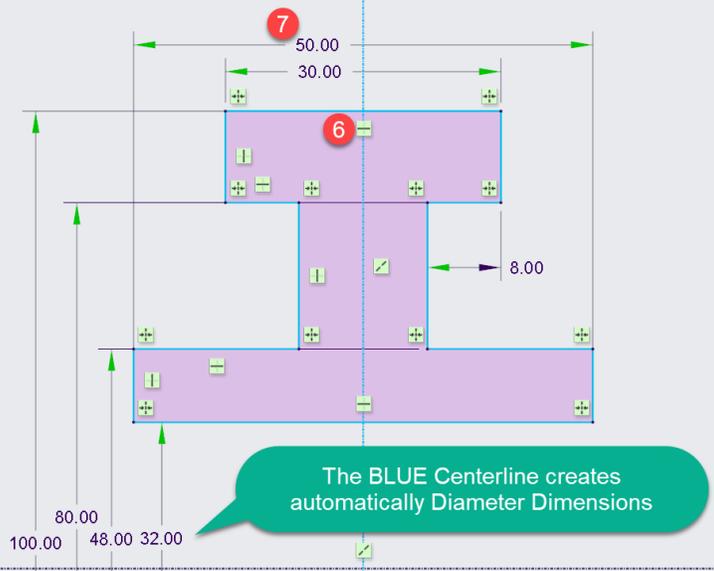


Workflow in CREO

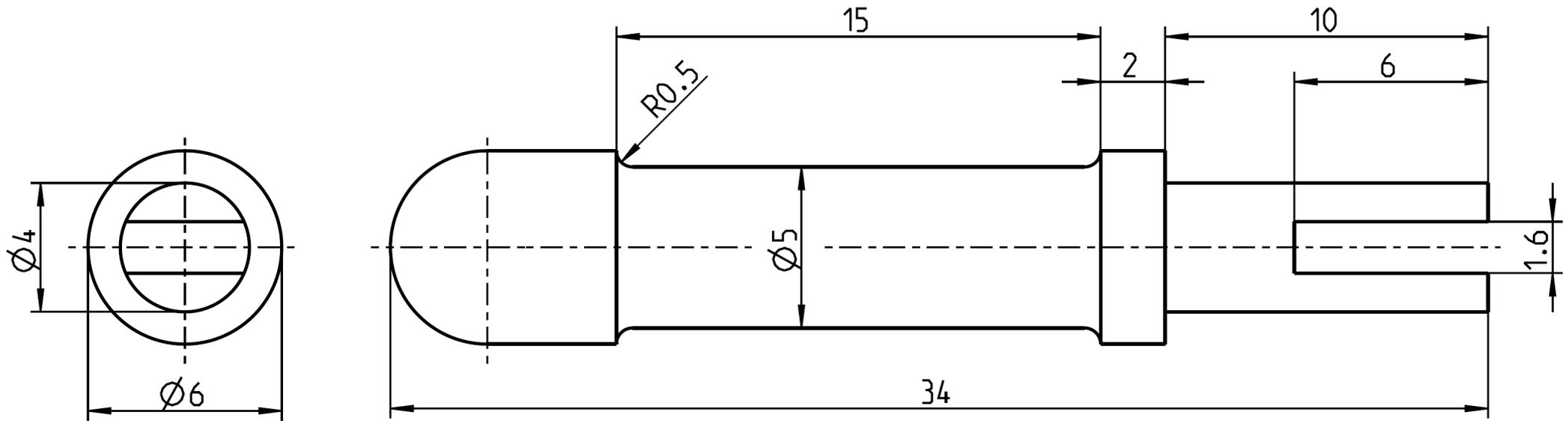
! See next Slide



- Part-02: Workflow in CREO**
- 1 Draw BLUE Centerline
 - 2 Draw BLACK Symmetry Line
 - 3 Draw half Sketch
 - 4 Select Sketch
 - 5 Mirror at Symmetry-Line
 - 6 Cleanup Constraints
 - 7 Correct Dimensions
 - 8 Create Rounds (2 Edges in One Set)
 - 9 Create Chamfers (2 edges each in 2 sets)
 - 10 Change to 45° x D

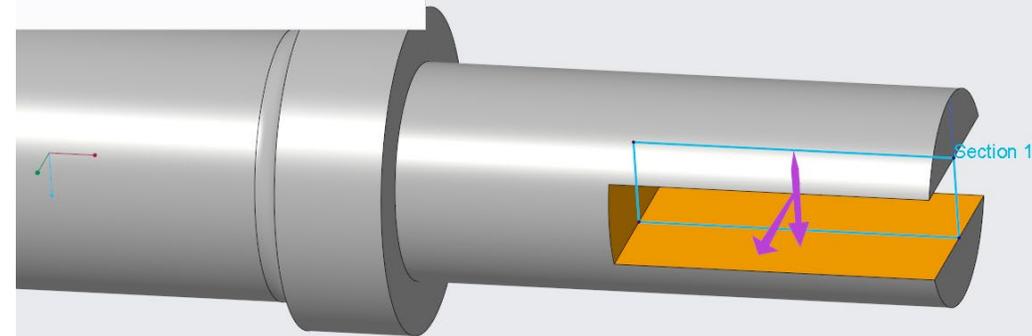
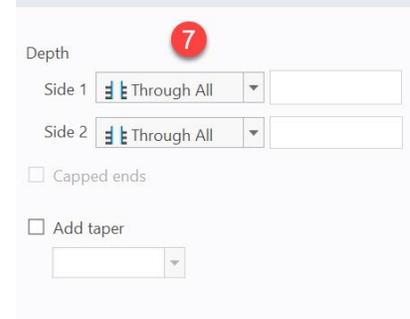
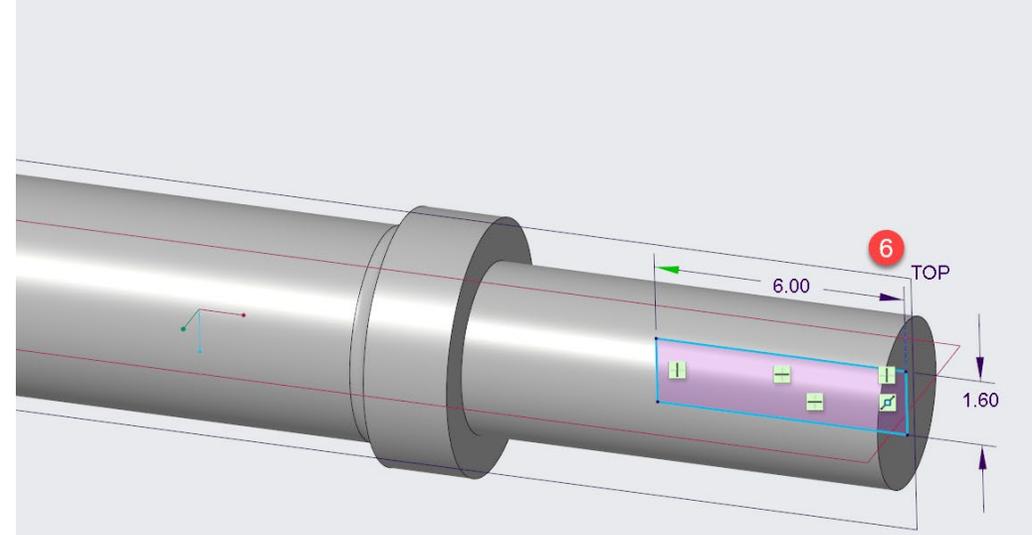
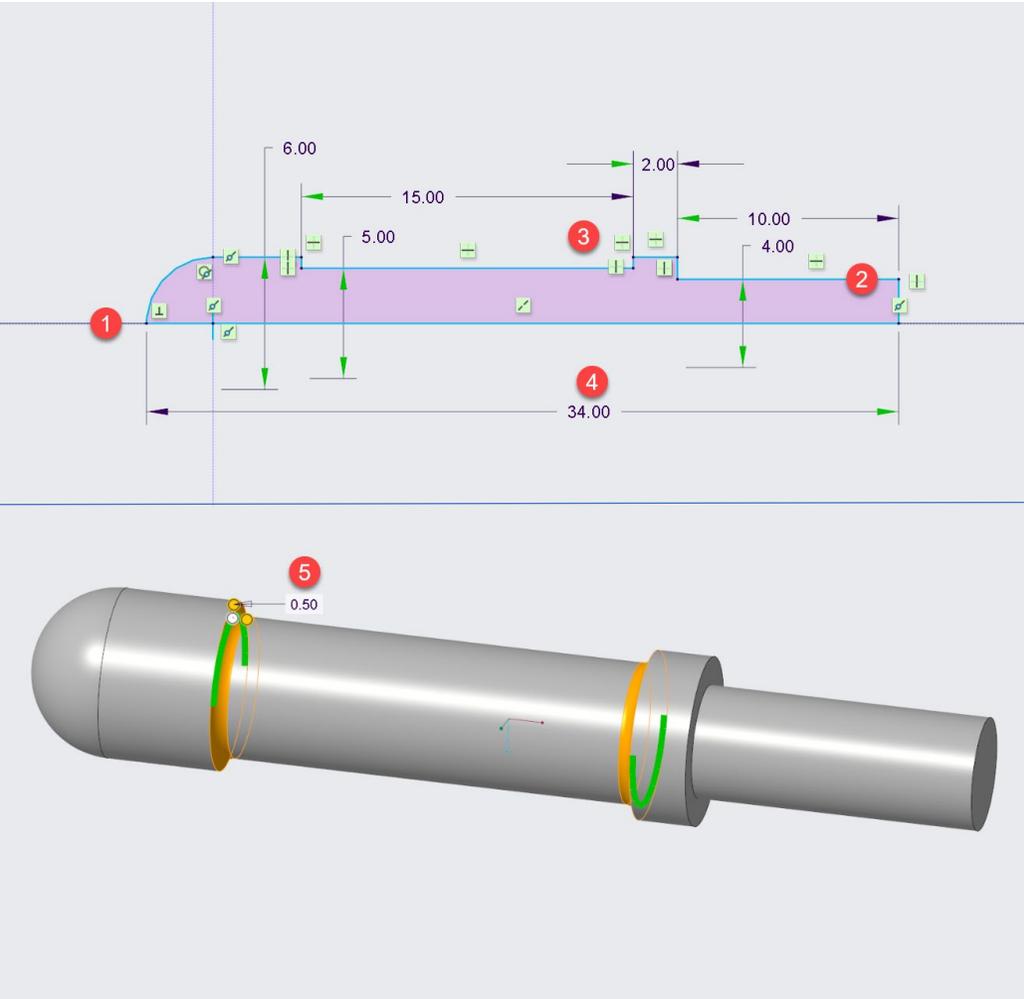


Part-03:
Revolve Feature
Roundset
Extrude Feature



Workflow in CREO

! See next Slide



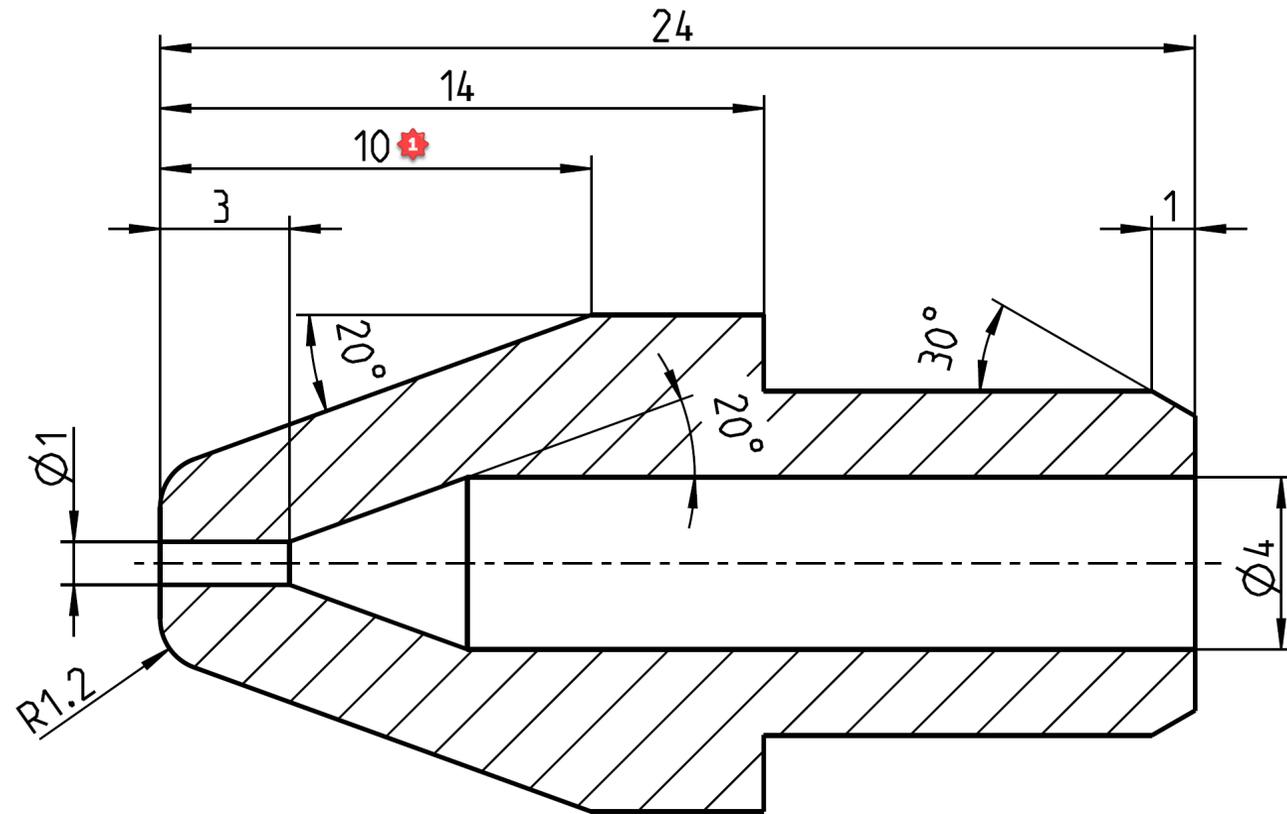
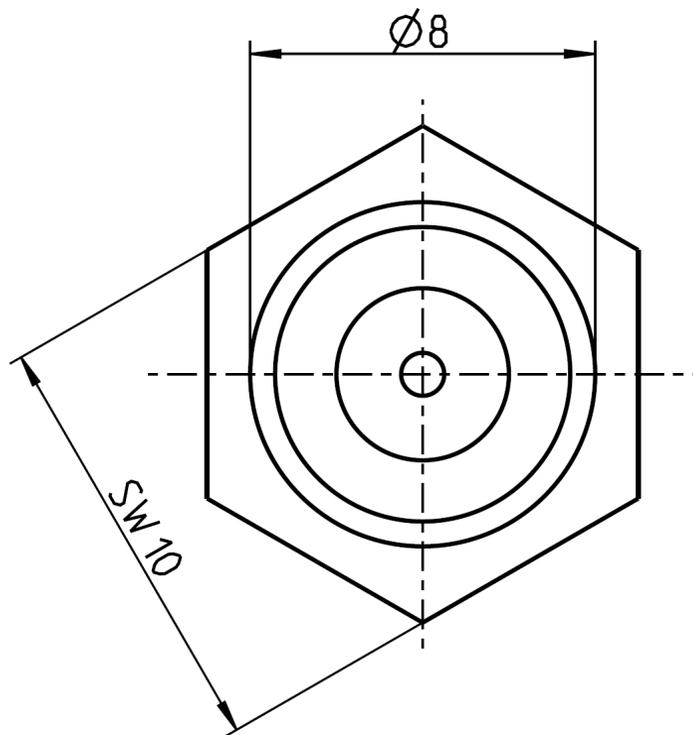
Part-03: Workflow in CREO	
1	Draw BLUE Centerline
2	Draw Sketch
3	Cleanup/create Constraints
4	Create/modify dimensions
5	Create Rounds (2 Edges in One Set)
6	Create Extrusion on Plane Chanche depth to trough all in both directions
7	

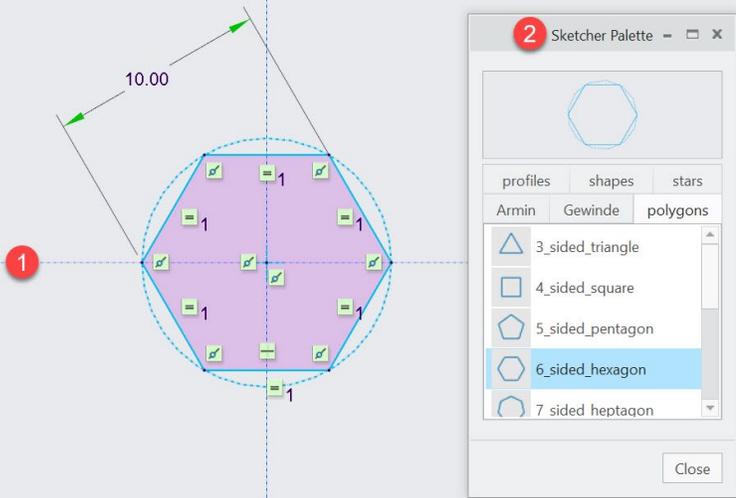
Part-04:

Extrude Feature

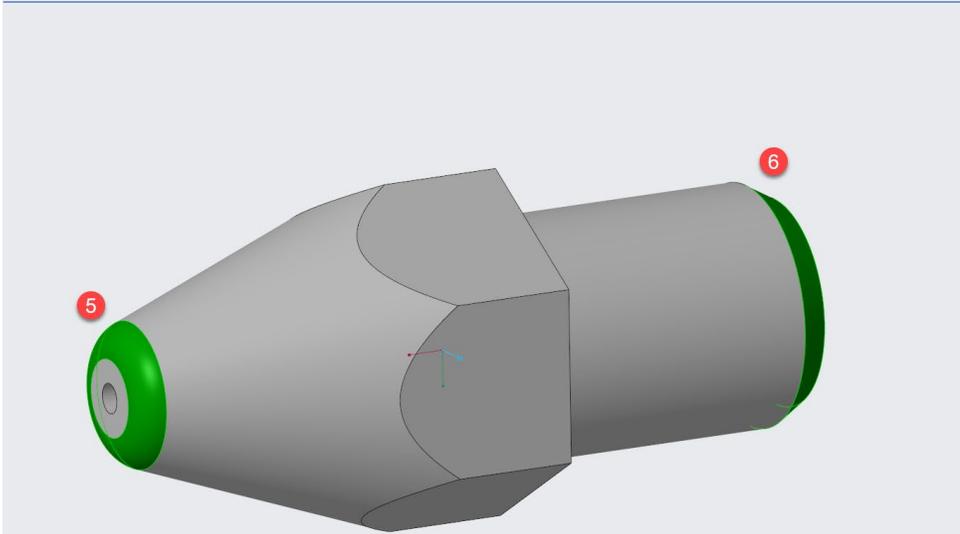
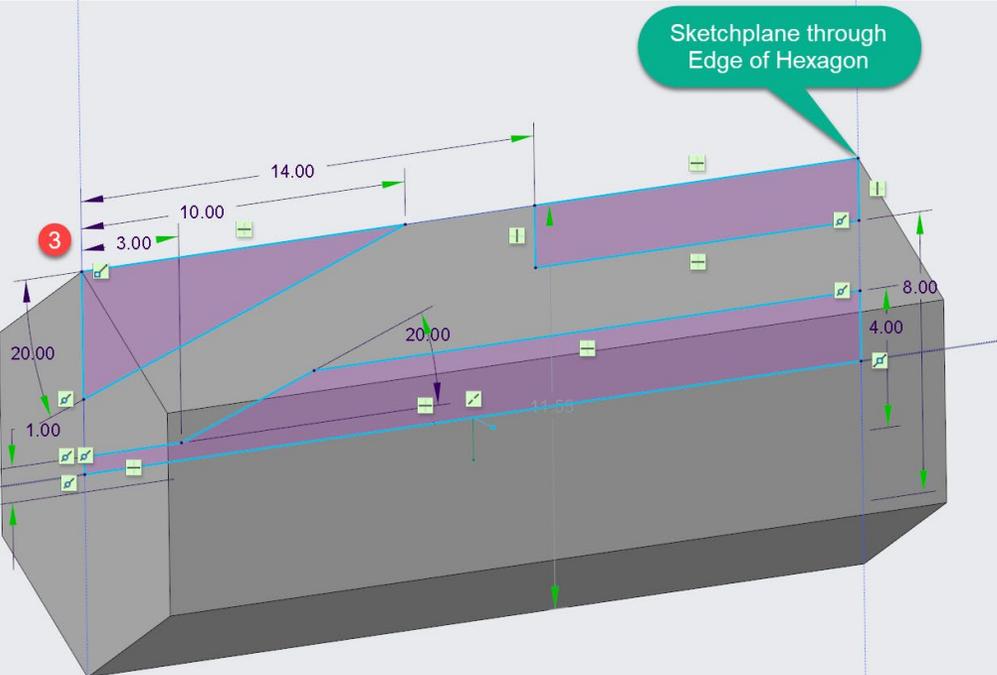
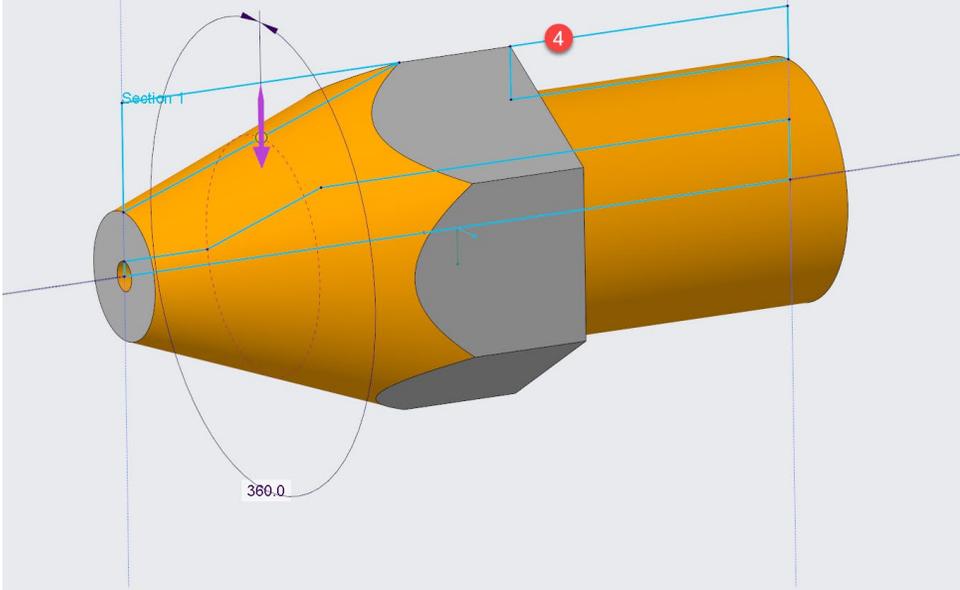
Revolve Feature to remove Material

(Dimensioning  only possible with correct Sketch-Plane)

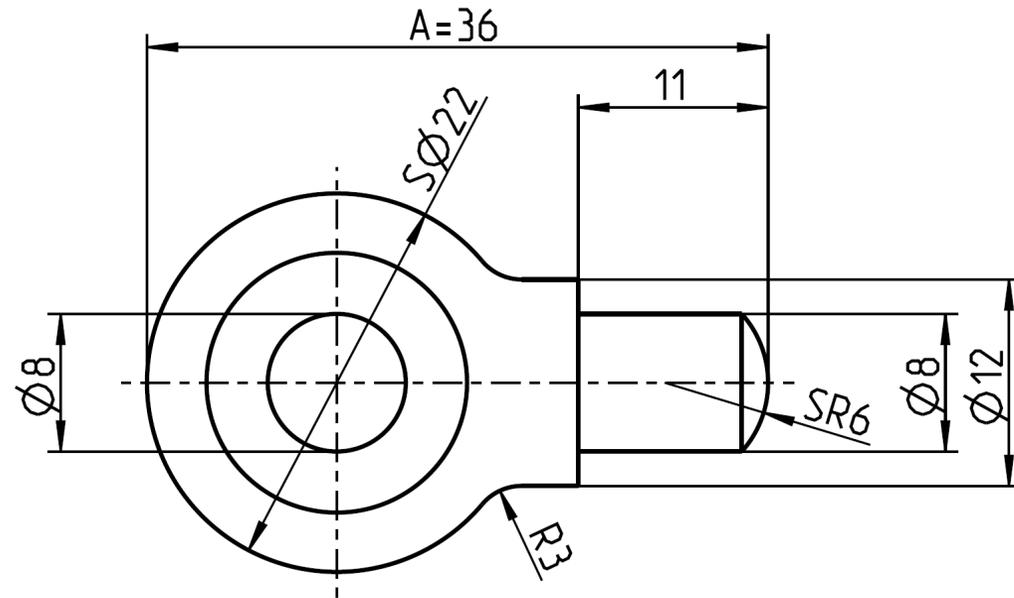
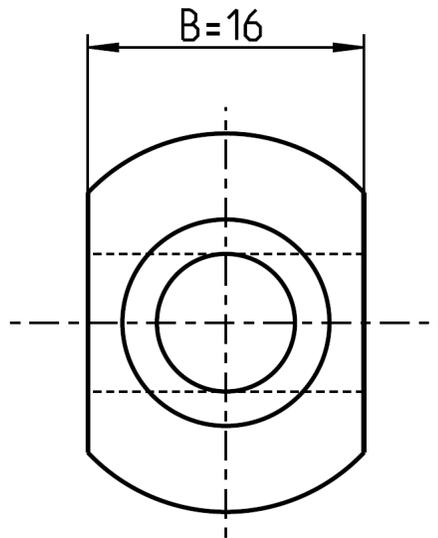




- Part-04: Workflow in CREO**
- 1 Create Extrusion
 - 2 Use Sketcher Palette
 - 3 Create Revolve Feature on correct Plane
 - 4 Remove Material
 - 5 Create Round
 - 6 Create Chamfer

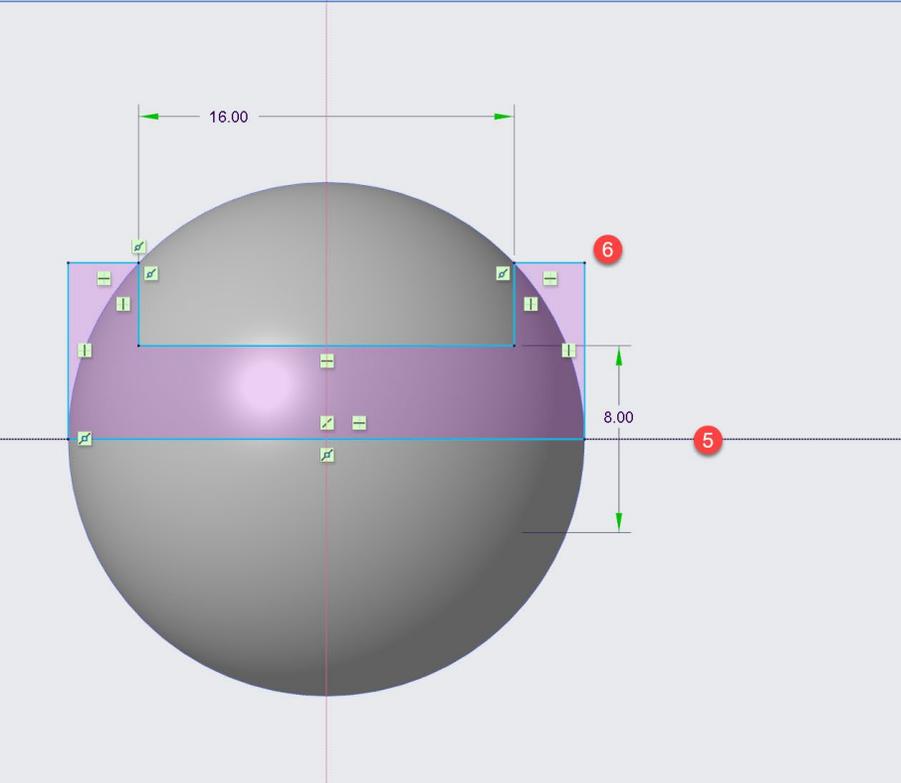
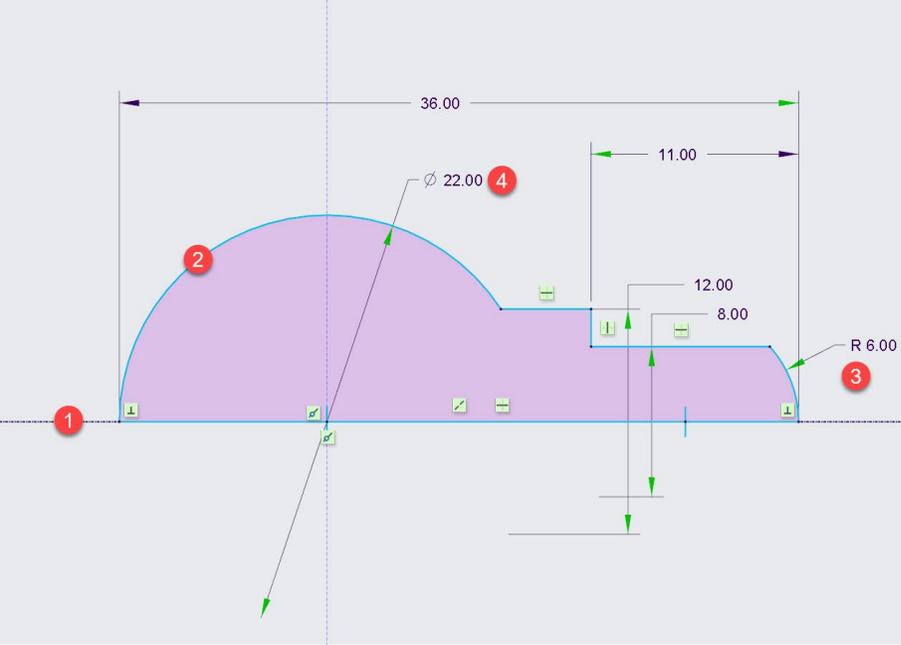


Part-05:
Revolve Feature
Round
Revolve Feature to Remove Material
(the smartest among several options)



Workflow in CREO

! See next Slide



Part-05: Workflow in CREO	
1	Draw BLUE Centerline
2	Draw Sketch
	Note Radius-Dimension and reference of
3	Dim: „11“
4	Note Diameter-Dimension
5	Draw BLUE Centerline
6	Draw Sketch
7	Revolve as „remove material“
8	Create Round

